

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.
50-R-0006

CUSTOMER NO.
45

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

UNIVERSITY OF DELAWARE
OFFICE OF LAB ANIMAL MEDICINE
020 WOLF HALL
NEWARK DE 19716

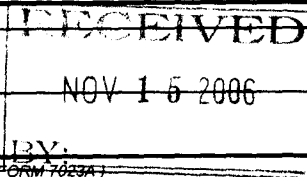
(b)(6), (b)(7)(c)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or new for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS(sites)

~~See Attached Listing~~

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REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters		1			1
8. Rabbits		5	24		29
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
White-Tailed Deer			45		45

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional official)

SIGNATURE

(b)(6), (b)(7)(c)

(Type or Print)

DATE SIGNED

11/15/06



FEB 05 2007

OFFICE OF
LABORATORY ANIMAL MEDICINE

020 Wolf Hall
University of Delaware
Newark, Delaware 19716-1561
Ph: 302/831-2616
Fax: 302/831-0154

January 31, 2007

Elizabeth Goldentyer, D.V.M.
Regional Director – Animal Care
Eastern Region
United States Department of Agriculture
920 Main Campus Drive
Suite 200
Raleigh, NC 27606-5213

Re: Certificate Number: 50-R-0006
Customer Number: 45

Dear Dr. Goldentyer,

Enclosed is an "Amended" Annual Report of Research Facility for the Federal fiscal year October 1, 2005 through September 30, 2006 (APHIS Form 7023).

Please note on page 1, #7. Hamsters, we erroneously reported 1 Hamster under column C. The "Amended" report correctly reports 1 Hamster under column E.

I apologize for any inconvenience this may have caused.

Please feel free to contact me should you have any questions or concerns.

Sincerely,

(b)(6), (b)(7)c

(b)(6), (b)(7)c

Enclosure



MAR 21 2007

OFFICE OF
LABORATORY ANIMAL MEDICINE

020 Wolf Hall
University of Delaware
Newark, Delaware 19716-1561
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Fax: 302/831-0154

March 8, 2007

Robert A. Willems, DVM
Regional Animal Care Specialist
Eastern Region, Animal Care
United States Department of Agriculture
920 Main Campus Drive
Suite 200
Raleigh, NC 27606

Re: Certificate Number: 50-R-0006
Customer Number: 45
Addendum to 2006 APHIS Annual Report

Dear Dr. Willems,

This letter is being submitted as an Addendum to our 2006 Annual Report to provide information on the hamster listed under Column E.

One hamster, under the control of our research facilities, has been subjected to procedures, which may cause pain or distress, without the use of anesthetics, analgesics or tranquilizing drugs. This hamster was being used in a study to determine the feeding behavior of the mosquito, *Culex pipiens*, a known vector of West Nile virus. The study involves a hamster being exposed to approximately 50 adult mosquitoes during serial, hour long sessions.

The procedure entails a small patch of fur being shaved from the abdomen and the hamster placed in a mesh stocking to limit movement. The hamster is then placed belly down in a fine mesh pocket, within the mosquito chamber, thus allowing the mosquitoes access to feed. The hamster is exposed to the mosquitoes for 1 hour at a time and used no more than once every 3 days. This project was run over a 4 month period in 2006. At no time did the hamster show any signs of pain or distress nor did it have any type of skin reaction to the mosquito bites.

Mosquitoes are particular in their feeding behavior and patterns. No anesthetics, analgesics or tranquilizing drugs are given to the hamster as these could alter the body and blood temperature and/or the blood composition of the hamster. These changes could affect the feeding behavior of the mosquitoes.

Sincerely,

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